Presentation Switchers

DVX-2100HD All-In-One Presentation Switcher

The DVX-2100HD All-In-One Presentation Switcher combines all of the components you need to control/automate any environment into a simple, flexible, comprehensive solution including control, multi-format inputs, video switching, transcoding and scaling, local and remote distribution, plus audio mixing, and amplification - all in a single box. The new and improved DVX features two independent DVI-I Digital and Analog video outputs enabling digital video to be delivered to two separate displays.

COMMON APPLICATION

The DVX-2100HD is an ideal presentation solution to simplify A/V control and distribution in sophisticated presentation environments and conference rooms, including those supporting audio and video conferencing. It also fits well in classrooms and auditoriums that need multiple displays, or video previewing.

FEATURES

- SmartScale™ Up to Higher Resolutions – The DVX can automatically communicate with newly connected display devices to determine native resolutions and can up convert any input signals beyond HD resolutions up to 1920x1200.
- Commands Signal Management Flexibility – Over 200 input signal combinations of DVI , RGB, Component, S-Video, and Composite. Don't worry about having too many of one signal style or not enough of another – just grab an adapter cable and go. Digital never looked so good.
- Simplifies Setup & Saves Time and Money – The DVX-2100HD is an all-in-one solution that eliminates the need for separate devices, thus reducing connectivity time, integration time, hardware installation time, and that all reduces your overall cost.
- Maximizes Video Productivity – Built-in transcoding and scaling automatically optimizes the management of all your video input and output challenges.
- Provides Quality Audio Processing – Built-in audio mixing and amplification that outputs two channels at 25 Watts each into 8-ohms or 75 Watts at 70V or 100V after passing through a mixer and an integrated 7-band equalizer to accommodate the size, furnishings, surfaces and functionality requirements in every room. There's also a stereo line level output with its own mixing and equalization settings.

DVX-2100HD-SP	2 x 25W Amp	(FG1905-04)
DVX-2100HD-T	75W, 70V / 100V Amp	(FG1905-05)

MORE FEATURES

- Superior Integrated Control – Includes the same quality and reliability you have come to demand with the equivalent of a NetLinx NI-2100 central controller. The DVX also includes a front control panel for an added level of convenience. The DVX comes complete with our standard RS-232, IR, digital I/O and relay control ports for control over environment and third-party equipment.
- Simplifies Wiring and Installation – Integrating all of this into a single box has obvious advantages over the connectivity challenges associated with wiring up as many as a dozen separate devices, not including source devices.
- Offers Remote Connectivity via Cat5 – Connect up to two remote A/V sources over category cable up to 50 meters (150 feet) away using UDM transport technology also found in AMX Endeleo products. And take advantage of the HydraPort retractable cable connection port plus the UPX universal transmitter wallplates to get the job done with class.

SPECIFICATIONS

DIMENSIONS (HWD)
3 1/2" x 17" x 14 1/4" (8.9 cm x 43.2 cm x 36.2 cm)

WEIGHT
14.7 lbs (6.67 kg)

POWER
110-240V, 47/63 Hz, 3A maximum AC supply

MEMORY
- 64 MB SDRAM
- 1 MB Non-volatile (NV) SRAM

FLASH
256 MB

AMPLIFIER
- DVX-2100HD-SP: 2 x 25W into 8 Ohms Class D stereo amplifier
- DVX-2100HD-T: 75W, 70V/100V mono amplifier

ENCLOSURE
Metal with black matte finish

INTEGRATED CONTROLLER
Equivalent of a NetLinx 2100 central controller on-board

FRONT PANEL COMPONENTS:
- LINK/ACT (green): Link/Activity LED blinks when receiving Ethernet data packets.
- STATUS (green): Status LED blinks to indicate that the system is programmed and communicating properly.
- INPUT (yellow): Input LED blinks to indicate that the Controller is receiving data.
- OUTPUT (red): Output LED blinks to indicate that the Controller is transmitting data.
- RS-232 / 422 / 485 (red/yellow): 3 sets of LEDs indicate that RS-232/422/485 Ports (1-3) are transmitting or receiving data.
- RELAYS (red): 4 LEDs indicate that one or more of the relay channels (1-4) are active (closed).
- IR/SERIAL (red): 4 LEDs indicate that one or more of the IR/Serial channels (1-4) are transmitting control data.
- I/O (yellow): 4 LEDs indicate that one or more of the I/O channels (1-4) are active.
- MACROS pushbuttons: 4 back-lit pushbuttons allow access to macro functions. Macro functions are programmed via NetLinx code.
- INPUT SELECT pushbuttons: 6 back-lit (multi-color) source selection pushbuttons select an Input (source). Pressing an INPUT SELECT button after pressing the VIDEO MENU button activates only the video for the source input. Similarly, pressing the AUDIO MENU button followed by an INPUT SELECT button activates only the audio on the source input.
- MIC SELECT pushbuttons: 2 back-lit (yellow) buttons for selecting a microphone. Each button lights to indicate that a microphone is selected.
- LCD display: Liquid crystal display (2 lines with 20 characters per line) indicates current volume level and displays the Video, Audio, and Tools menus.
- VIDEO MENU pushbutton: Press to access the Video menu on the LCD display.
- AUDIO MENU pushbutton: Press to access the Audio menu on the LCD display. Navigational pushbuttons: 4 directional buttons for navigating the options in the Video and Audio menu (on the LCD display).
- VIDEO MUTE pushbutton: Press to mute/un-mute (enable/disable) all video output displays. Video Mute results in a blank screen on the output display.
- AUDIO MUTE pushbutton: Press to mute/un-mute all audio outputs.

REAR PANEL COMPONENTS
- RS-232/422/485 (Ports 1-3) provide serial control via DB9 (male) connectors:
  - XON/XOFF (transmit on/transmit off)
  - CTS/RTS (clear to send/ready to send)
  - 300-115,200 baud
- RELAYS (Port 4) provides relay control via 8-pin 3.5 mm captive-wire connector:
  - 4-channel single-pole single-throw relay ports
  - Each relay is independently controlled
  - Supports up to 4 independent external relay devices
  - Channel range = 1-4
  - Each relay can switch up to 24 VDC or 28 VAC @ 1 A
  - One 8-pin 3.5 mm mini-Phoenix (female) connectors provide relay termination
- IR/SERIAL (Ports 5-8) provide IR/Serial control via 2-pin 3.5 mm captive-wire connectors:
  - Supports high-frequency carriers of up to 1.142 MHz
  - 4 IR/Serial data signals can be generated simultaneously
- I/O (Port 9) provides 4-channel binary I/O port for contact closure with each input being capable of voltage sensing.

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DVX-2100HD-SP	2 x 25W Amp	(FG1905-04)
DVX-2100HD-T	75W, 70V / 100V Amp	(FG1905-05)

- AUDIO INPUTS 4 3.5mm 5-pin captive-wire connectors receive up to four balanced/unbalanced line level audio inputs:
  - Nominal input level: +4 dBu (1.228 Vrms) balanced or -10 dBV (0.3162 Vrms) unbalanced
  - Maximum input level: 2 Vrms
  - Input impedance: >12k ohms unbalanced, >12k ohms balanced, DC coupled
- MIC INPUTS: 2 3.5mm 3-pin captive-wire connectors receive up to 2 mono microphones (balanced or unbalanced audio and switchable Phantom Power).
- AUDIO OUTPUTS:
  - LINE: 1 3.5mm 5-pin captive-wire connector provides for fixed or variable, balanced or unbalanced, mono or stereo line level audio output
  - AMP: 2-position captive wire connector provides amplified audio output with volume control
- VIDEO INPUTS (1-4): 4 DVI-I input connectors provide multi-format video inputs for up to four video sources. Each VIDEO INPUT connector supports RGBHV, S-video, composite video, component video, and DVI input.
- UDM INPUTS (5-6): 2 RJ-45 inputs receive audio and video from up to two UDM Multi-Format Distribution Hubs or UPX wallplates. The DVX-2100HD-SP is compatible with all UDM Multi-Format Distribution Hubs.
- VIDEO OUTPUTS (FG1905-04/-05) 1&2
  - Two video output connectors provide two separate types of video output
    - 2 - DVI-I Output connectors provides digital and analog video output. You can view Digital and Analog output one at a time or at the same time by using a DVI splitter
    - 2 - 1 RJ-45 connector allows the DVX-2100HD-SP to connect to a UDM Multi-Format Receiver (Follows DVI-I Video Output #1)
- VIDEO OUTPUTS (2): 1 RGB output connector provides analog video output.
- CONFIG DIP Switch: 4-position Master configuration DIP switch allows setting the onboard Master execution mode (PRD or normal).
- PROGRAM Port: USB connector that supports USB communications to a PC for system configuration and diagnostics
- ID Pushbutton: Black ID pushbutton sets the NetLinx Device ID assignments of the Internal Control Device. It has no effect on the Internal Switcher Device.k.
- ETHERNET 10/100 Port: RJ-45 connector provides TCP/IP communication. This is an Auto MDI/MDI-X enabled port, which allows you to use either straight-through or crossover Ethernet cables. The Ethernet Port LEDs show communication activity, connection status, speeds, and mode information:
  - SPD (speed) - Yellow LED lights On when the connection speed is 100 Mbps and turns Off when the speed is 10 Mbps.
  - L/A (link/activity) - Green LED lights On when the Ethernet cables are connected and terminated correctly, and blinks when receiving Ethernet data packets.
- AxLink Port: 1 3.5 mm captive-wire connector provides data and power to external control devices. The AxLink LED (green) indicates the state of the AxLink port.

POWER CONNECTOR IEC POWER CORD CONNECTOR

- 100-240V AC
- 47-63Hz
- 2.5A maximum

ENVIRONMENTAL

- Operating Temperature: 0° C to 40° C (32° F to 104° F)
- Operating Humidity: 5% - 85% RH
- Storage Temperature: -10° C to 70° C (14° F to 158° F)

SUPPORTED VIDEO RESOLUTIONS

HD resolutions up to 1080p and RGB resolutions up to 1920 x 1200 @ 60Hz

CERTIFICATIONS

- RoHS
- FCC Class B
- CE
- cTUVus

INCLUDED ACCESSORIES

- 2 CC-NIRC, IR Emitter w/3.5mm Phoenix (FG10-000-11)
- 2 CC-DVIM-VGAF, DVI to VGA Adapter (FG10-2170-13)
- 2 Front Rack Mounting Brackets (62-1905-04)
- Enova DVX-2100HD-SP Total Environment Controller Installation Guide (93-1950-01)

RECOMMENDED ACCESSORIES

- CC-DVI-5BNCM - DVI to 5 BNC Male Cable (FG10-2170-08)
- CC-DVI-RCA3M - DVI to 3 RCA Male Cable (FG10-2170-09)
- CC-DVIM-VGAF - DVI to HD-15 Female Adapter (FG10-2170-13)
- CC-DVI-SVID - DVI to S-Video Cable (FG10-2170-10)
- CC-3.5ST5-RCA2F - 5-pin 3.5mm Phoenix to 2 RCA Female Cable (FG10-003-20)
- UDM-RX02N - Multi-Format Receiver with Native NetLinx Control (FG1402-20)
- UPX-CS+A-US - Composite Universal Transmitter Wallplate (US) (FG1402-50-SW/SB/SA)
- UPX-CS+A-DE - Composite Universal Transmitter Wallplate (Decor Style) (FG1402-50-DW/DB)
- UPX-CS+A-UK - Composite Universal Transmitter Wallplate (UK) (FG1402-50-KW/KB/KA)
- UPX-CS+A-EU - Composite Universal Transmitter Wallplate (EU) (FG1402-50-EW/EB/EA)
- UPX-RGB+A-US - RGB Universal Transmitter Wallplate (US) (FG1402-51-SW/SB/SA)
- UPX-RGB+A-DE - RGB Universal Transmitter Wallplate (Decor Style) (FG1402-51-DW/DB)
- UPX-RGB+A-UK - RGB Universal Transmitter Wallplate (UK) (FG1402-51-KW/KB/KA)
- UPX-RGB+A-EU - RGB Universal Transmitter Wallplate (EU) (FG1402-51-EW/EB/EA)
- UPX-CN+A-US - Component Universal Transmitter Wallplate (US) (FG1402-52-SW/SB/SA)
- UPX-CN+A-DE - Component Universal Transmitter Wallplate (Decor Style) (FG1402-52-DW/DB)
- UPX-CN+A-UK - Component Universal Transmitter Wallplate (UK) (FG1402-52-KW/KB/KA)
- UPX-CN+A-EU - Component Universal Transmitter Wallplate (EU) (FG1402-52-EW/EB/EA)

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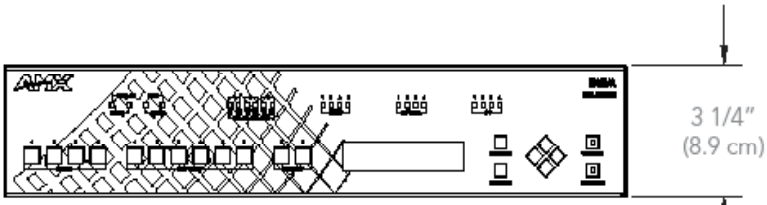
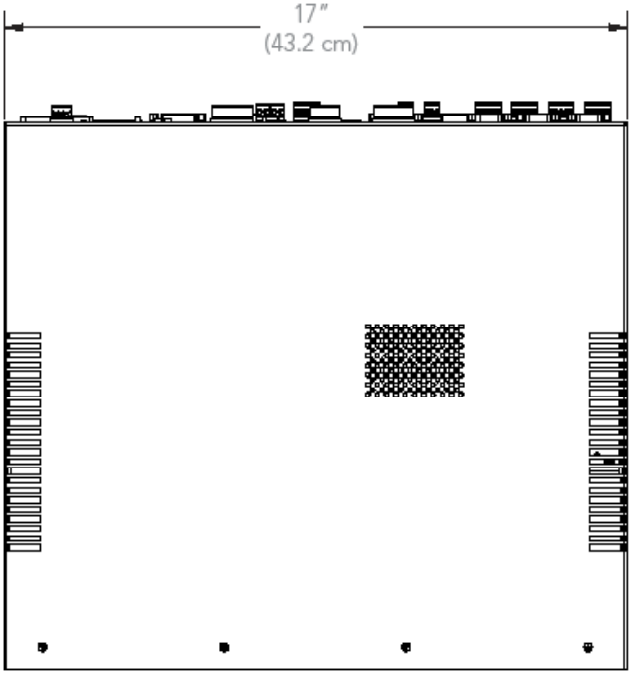
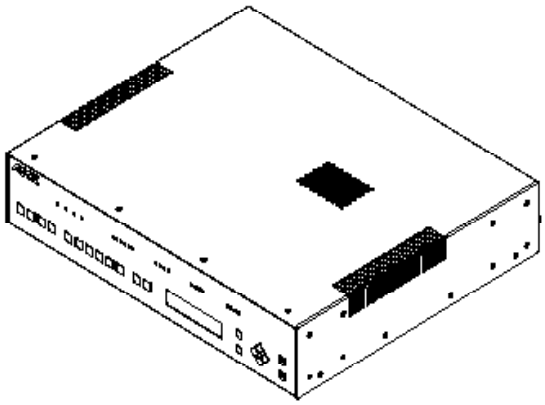


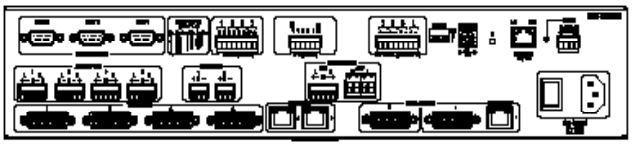
DVX-2100HD
(Front View)



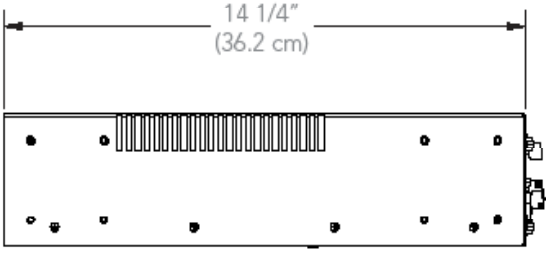
DVX-2100HD
(Top View)



DVX-2100HD
(Isometric View)



DVX-2100HD
(Back View)



DVX-2100HD
(Right View)